

Serial No. 09/887,173
August 18, 2004
Reply to the Office Action dated May 7, 2004
Page 2 of 9

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (original): A surface acoustic wave device, comprising:
a piezoelectric substrate; and

at least two basic sections disposed on said piezoelectric substrate, each of the at least two basic sections including an asymmetrical double electrode defining a half wavelength section and having first and second strips with different widths from each other;

wherein an absolute value of a vector angle of a reflection center obtained from a resultant vector generated by synthesizing reflection vectors at edges of the first and second strips, is within a range of angles of approximately $45 \pm 10^\circ$ or approximately $135 \pm 10^\circ$, when a center of a respective one of said at least two basic sections is a reference position for the range of angles.

Claim 2 (original): A surface acoustic wave device according to claim 1, wherein reflection amounts of surface acoustic waves at edge positions of said strips are substantially equal to one another.

Claim 3 (original): A surface acoustic wave device according to claim 1, wherein said asymmetrical double electrode is an interdigital transducer.

Claim 4 (original): A surface acoustic wave device according to claim 1, wherein said asymmetrical double electrode is a reflector.

Claim 5 (original): A surface acoustic wave device according to claim 1, wherein said piezoelectric substrate is made of a quartz crystal material.

Serial No. 09/887,173
August 18, 2004
Reply to the Office Action dated May 7, 2004
Page 3 of 9

Claims 6-15 (canceled)

Claim 16 (previously presented): A surface acoustic wave device, comprising:
a piezoelectric substrate; and

at least two basic sections disposed on said piezoelectric substrate, each of the
at least two basic sections including an asymmetrical double electrode defining a half
wavelength section and having first and second strips with different widths from each
other;

wherein an absolute value of a vector angle of a reflection center obtained from a
resultant vector generated by synthesizing reflection vectors at edges of the first and
second strips, is within a range of angles of approximately $45 \pm 10^\circ$ or approximately
 $135 \pm 10^\circ$, when a center of a respective one of said at least two basic sections is a
reference position for the range of angles; and

said asymmetrical double electrode is a reflector.